

**WHAT WE CLAIM IS:**

1. A terminal equipment (TAa) for a bidirectional radio link emitting and receiving simultaneously, having  
5 a first emitter (EA1) emitting a first data signal (S1) in a first useful frequency band (BF1) identical to that in which a first receiver (RA1) receives a second data signal (S2), characterized in that it comprises:

a second receiver (RA2) receiving a third data  
10 signal (S3) in a second useful frequency band (BF2) via a first antenna (AA1), a first circulator (CA1) and a filter (FA3) having the second useful frequency band (BF2) as pass-band, and said first emitter (EA1) emitting said first data signal (S1) in the first useful frequency  
15 band (BF1) via a filter (FA1) having the first useful frequency band (BF1) as pass-band, the first circulator and the first antenna, and

a second emitter (EA2) emitting a fourth data signal (S4) in the second useful frequency band (BF2) via  
20 a filter (FA4) having the second useful frequency band (BF2) as pass-band, a second circulator (CA2) and a second antenna (AA2), said first receiver (RA1) receiving the second data signal (S2) in the first useful frequency band (BF1) via the second antenna, the second circulator  
25 and a filter (FA2) having the first useful frequency band (BF1) as pass-band.

1. A terminal equipment (TAa) for a bidirectional radio link, the terminal equipment being adapted to emit  
30 and receive simultaneously, having a first emitter (EA1) adapted to emit a first data signal (S1) in a first useful frequency band (BF1) identical to that in which a first receiver (RA1) receives a second data signal (S2),

and characterized in that it comprises:

5 a second receiver (RA2) adapted to receive a third data signal (S3) in a second useful frequency band (BF2) via a first antenna (AA1), a first circulator (CA1) and a filter (FA3) having the second useful frequency band (BF2) for its pass-band, said first emitter (EA1) being adapted to emit said first data signal (S1) in the first useful frequency band (BF1) via a filter (FA1) having the first useful frequency band (BF1) for its pass-band, the first circulator and the first antenna; and

10 a second emitter (EA2) adapted to emit a fourth data signal (S4) in the second useful frequency band (BF2) via a filter (FA4) having the second useful frequency band (BF2) for its pass-band, a second circulator (CA2) and a second antenna (AA2), said first receiver (RA1) being adapted to receive the second data signal (S2) in the first useful frequency band (BF1) via the second antenna, the second circulator and a filter (FA2) having the first useful frequency band (BF1) for

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20 its pass-band.